1. A building construction using tensional support members comprising: a support structure for bearing a compressive load; a support beam borne by said structure; at least one enclosure cell; and at least one tension member for suspending a said enclosure cell from said support beam.

2. The building structure of claim 1 in which said support structure includes a column.

3. The building structure of claim 1 in which said support structure includes two columns.

4. The building structure of claim 1 in which said support structure includes at least three columns.

5. The building structure of claim 1 in which said support beam includes a linear beam.

6. The building structure of claim 1 in which said support beam includes an annular beam.

7. The building structure of claim 1 in which said support beams includes a number of linear beams.

8. The building structure of claim 1 in which said support beam includes an inner and an outer annular beam and an interconnection structure connecting the two.

9. The building structure of claim 1 in which said support beam includes a tension member including a cable element.

10. The building structure of claim 1 in which said support beam includes a number of cable elements suspending each said enclosure cell.

11. The building structure of claim 1 in which said support beam includes a fiber reinforced plastic material.

12. The building structure of claim 1 in which said enclosure cell includes a wall and floor.

13. The building structure of claim 1 in which said support beam includes fiber reinforced plastic material.

14. A method of building using tensioned support members comprising providing a support structure for bearing a compressional load; installing a support beam on said support structure; providing at least one enclosure cell; and suspending each enclosure cell with a tension member from said support beam.

15. The method of claim 14 further including suspending additional enclosure cells from said support beam.

16. The method of claim 14 in which said support structure includes at least two columns.

17. The method of claim 14 in which said support beam includes at least two beams.

18. The method of claim 14 in which said support beam includes a linear beam.

19. The method of claim 14 in which said support beam includes and annular beam.

20. The method of claim 14 in which said support beam includes an inner and an outer annular beam and an interconnection structure between the line.